

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003430.D
 Acq On : 01 Oct 2020 00:35
 Operator : CG/JU
 Sample : L4193-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-12(3-4)

Quant Time: Oct 01 02:19:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

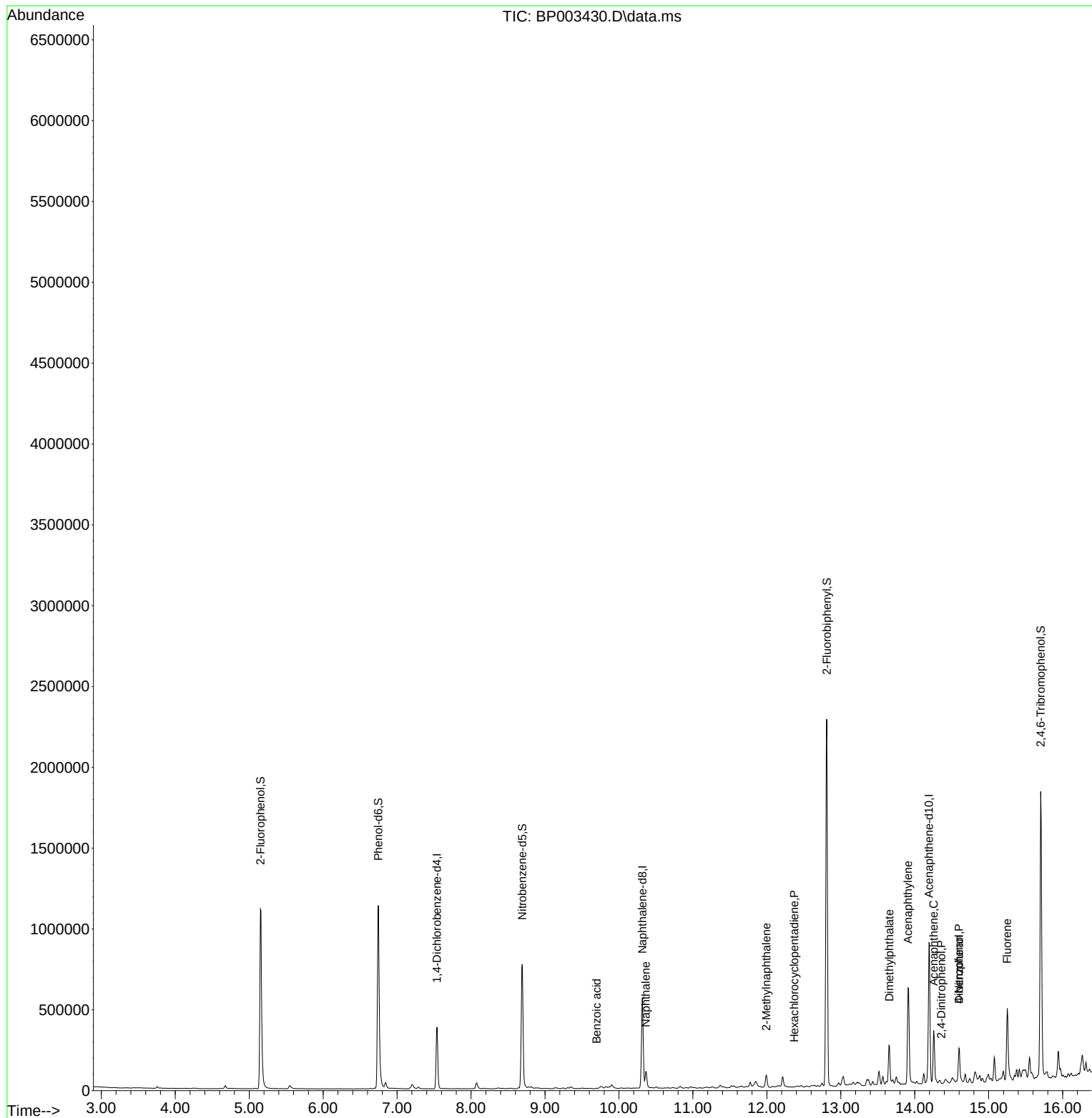
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	106388	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	455744	20.00	ng	# 0.00
39) Acenaphthene-d10	14.192	164	291345	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	647286	20.00	ng	# 0.02
76) Chrysene-d12	21.174	240	563323	20.00	ng	0.11
86) Perylene-d12	0.000	264	0	0.00	ng	-23.26
System Monitoring Compounds						
5) 2-Fluorophenol	5.152	112	597715	98.10	ng	0.00
7) Phenol-d6	6.746	99	783783	96.51	ng	0.00
23) Nitrobenzene-d5	8.693	82	508877	65.60	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	343623	77.33	ng	0.01
45) 2-Fluorobiphenyl	12.810	172	1192655	59.87	ng	0.00
79) Terphenyl-d14	19.569	244	1684769	62.31	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	10.363	128	81984	3.41	ng	98
32) Benzoic acid	9.699	122	89	9.17	ng	# 1
37) 2-Methylnaphthalene	11.993	142	36498	2.09	ng	97
41) Hexachlorocyclopentadiene	12.369	237	10	6.84	ng	77
49) Acenaphthylene	13.910	152	472970	17.20	ng	99
50) Dimethylphthalate	13.657	163	114278	4.91	ng	100
52) Acenaphthene	14.257	154	114343	6.83	ng	99
54) 2,4-Dinitrophenol	14.357	184	146	7.31	ng	# 1
55) Dibenzofuran	14.598	168	120414	4.51	ng	94
56) 4-Nitrophenol	14.598	139	48238	14.61	ng	# 23
58) Fluorene	15.251	166	208958	9.91	ng	99
70) Pentachlorophenol	16.710	266	15	6.77	ng	89
71) Phenanthrene	17.004	178	2447888	69.51	ng	99
72) Anthracene	17.098	178	899870	25.93	ng	100
73) Carbazole	17.381	167	246427	7.47	ng	99
75) Fluoranthene	19.016	202	4319597	97.55	ng	98
78) Pyrene	19.375	202	3783858	107.71	ng	99
81) Benzo(a)anthracene	21.169	228	2649803	72.77	ng	# 88
83) Chrysene	21.169	228	2649803	75.74	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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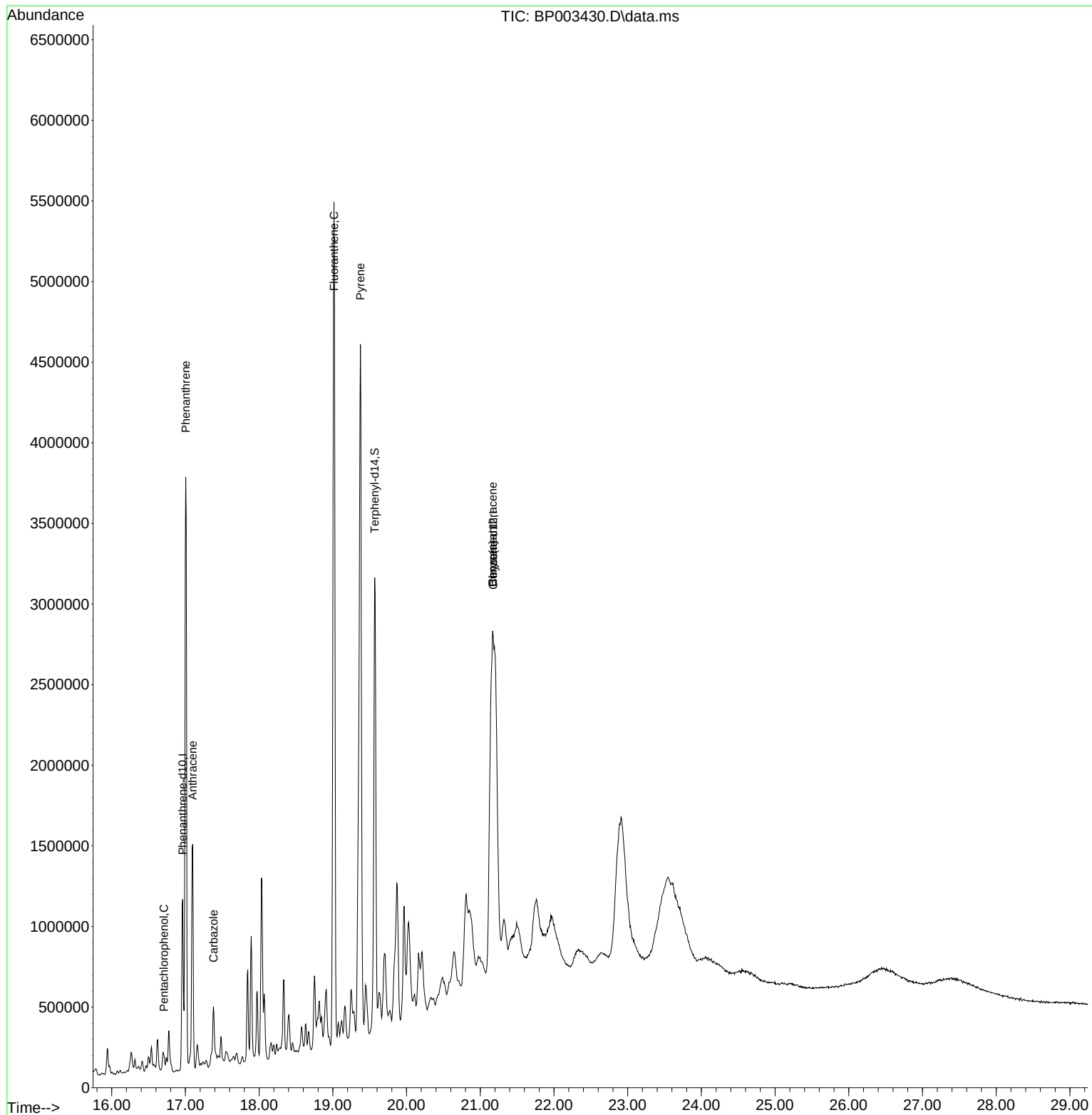
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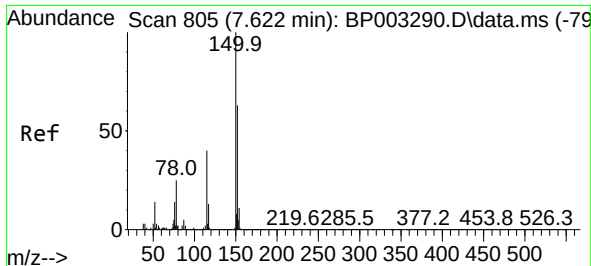


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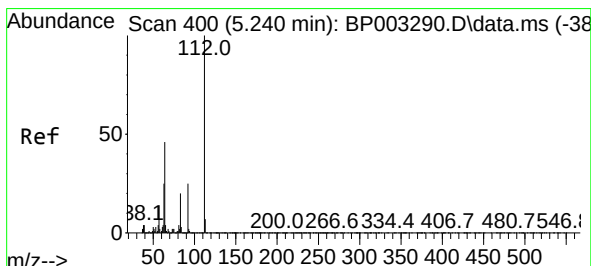
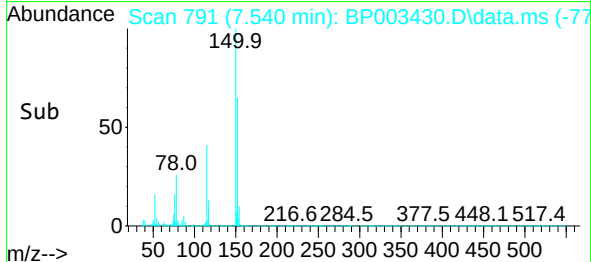
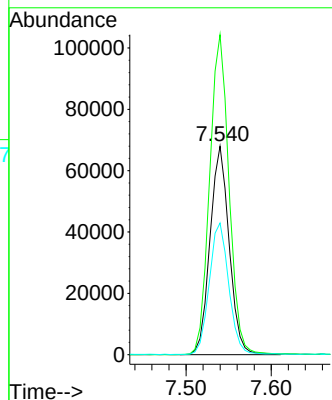
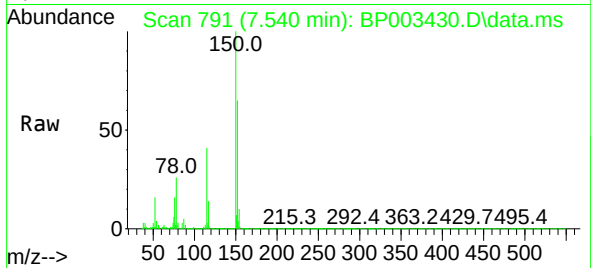




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

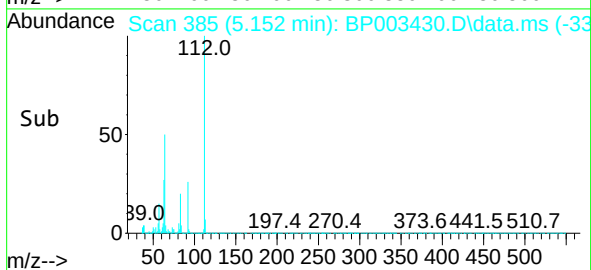
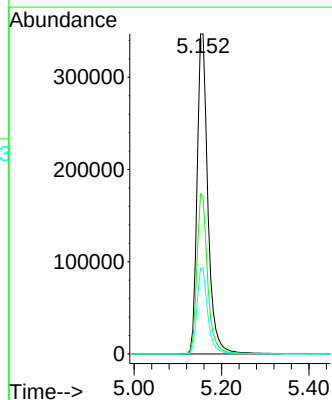
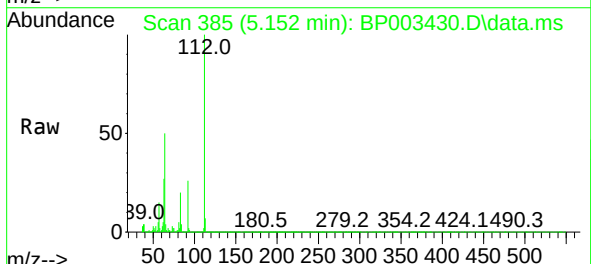
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

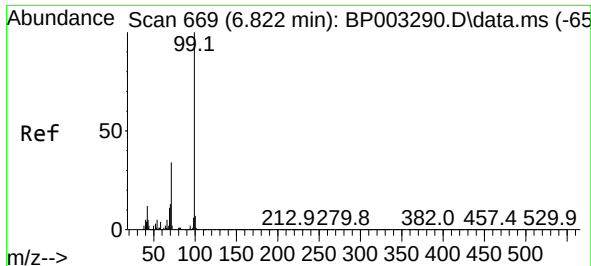
Tgt Ion:152 Resp: 106388
Ion Ratio Lower Upper
152 100
150 153.5 123.8 185.6
115 63.2 43.8 65.6



#5
2-Fluorophenol
Concen: 98.10 ng
RT: 5.152 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:112 Resp: 597715
Ion Ratio Lower Upper
112 100
64 49.9 32.8 49.2#
63 26.6 17.0 25.4#

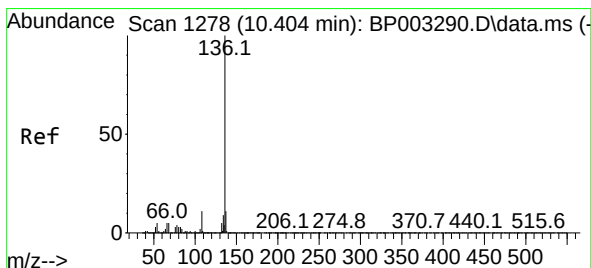
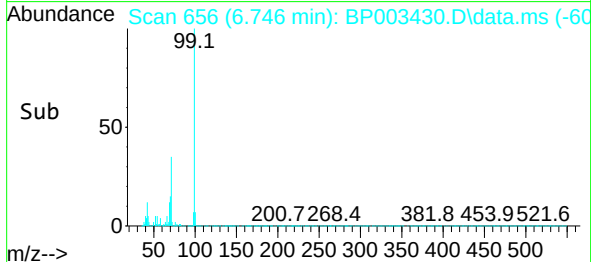
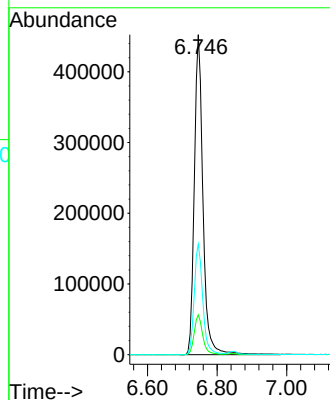
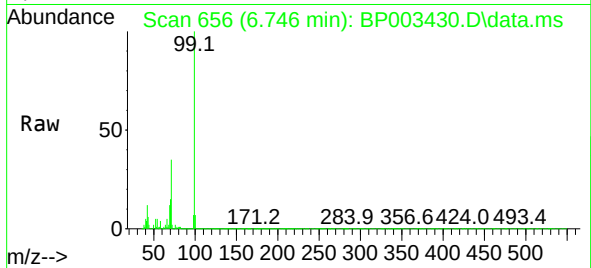




#7
Phenol-d6
Concen: 96.51 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

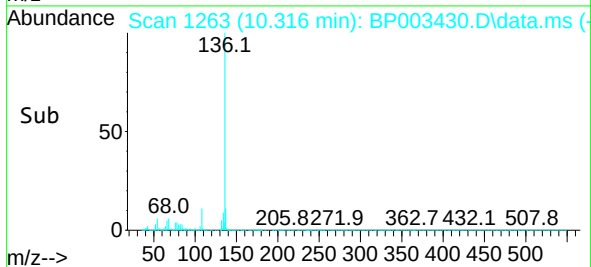
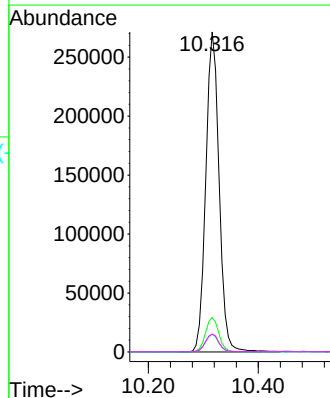
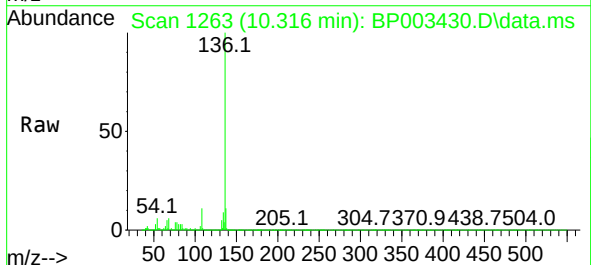
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BNA_P
ClientSampleId :
B-12(3-4)

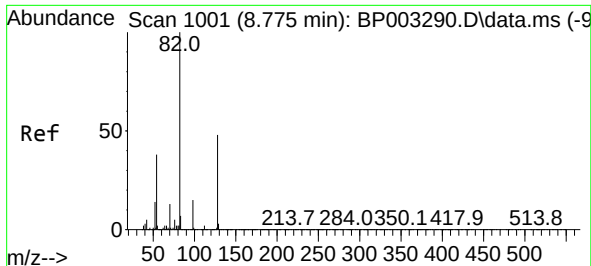
Tgt Ion: 99 Resp: 783783
Ion Ratio Lower Upper
99 100
42 12.4 8.6 13.0
71 34.6 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion: 136 Resp: 455744
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.5 3.6 5.4#
68 5.6 3.3 4.9#

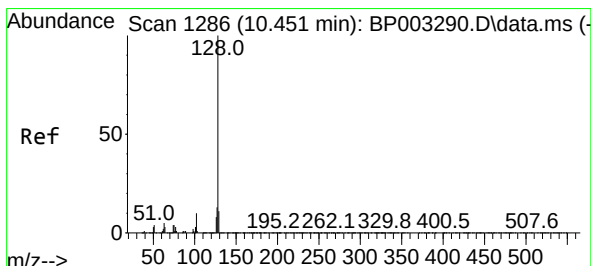
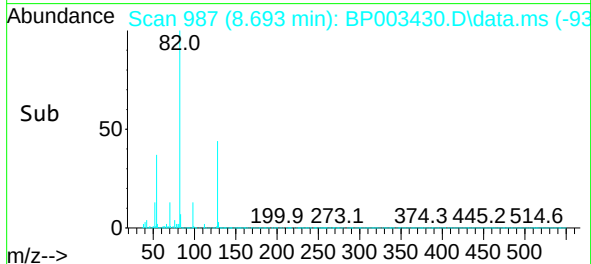
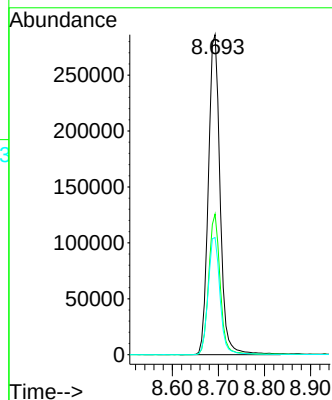
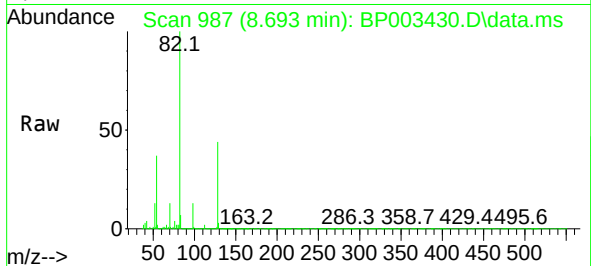




#23
Nitrobenzene-d5
Concen: 65.60 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

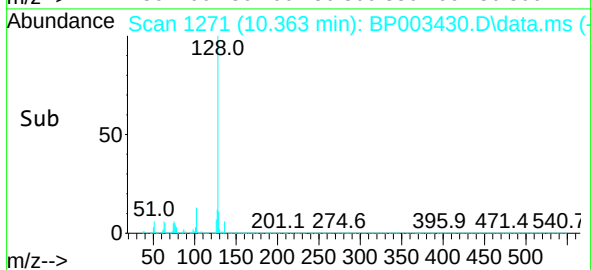
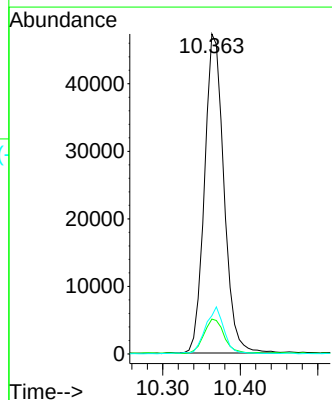
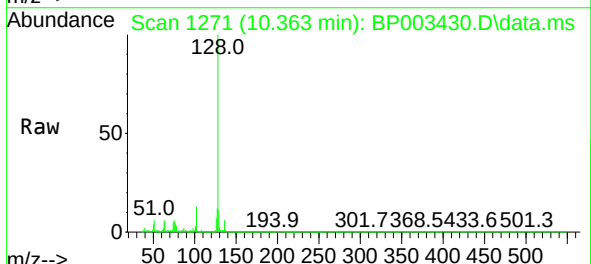
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B-12(3-4)

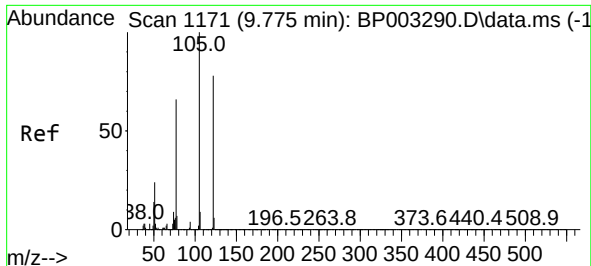
Tgt Ion: 82 Resp: 508877
Ion Ratio Lower Upper
82 100
128 43.9 45.6 68.4#
54 36.6 30.1 45.1



#31
Naphthalene
Concen: 3.41 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion: 128 Resp: 81984
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 11.9 10.6 15.8

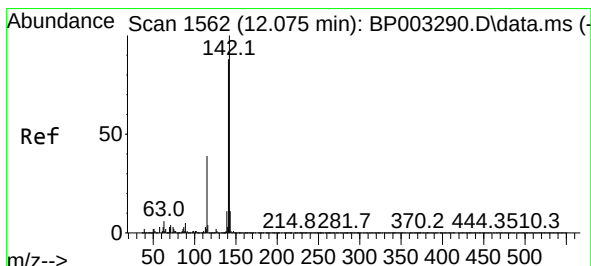
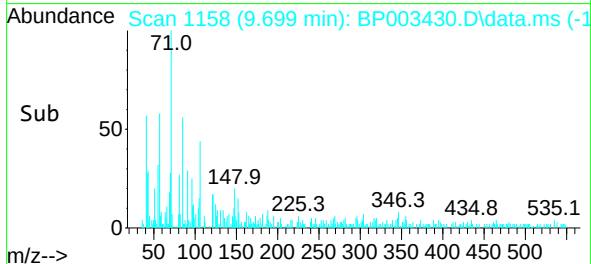
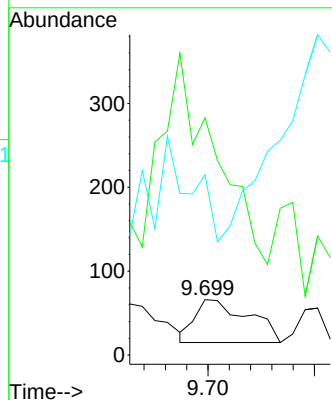
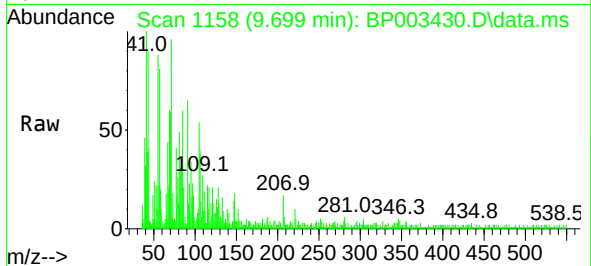




#32
Benzoic acid
Concen: 9.17 ng
RT: 9.699 min Scan# 1158
Delta R.T. -0.018 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

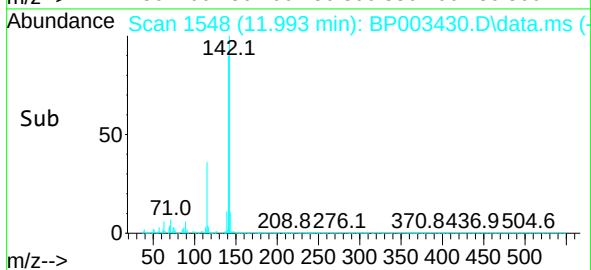
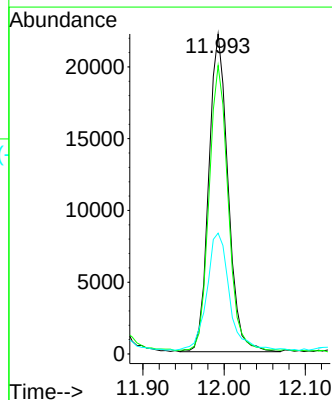
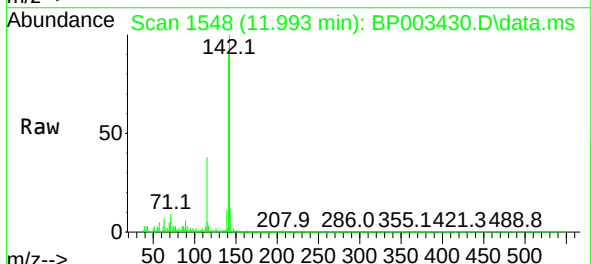
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B-12(3-4)

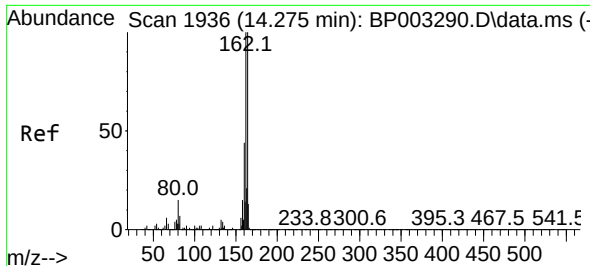
Tgt Ion:122 Resp: 89
Ion Ratio Lower Upper
122 100
105 428.8 94.1 134.1#
77 325.8 50.1 90.1#



#37
2-Methylnaphthalene
Concen: 2.09 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:142 Resp: 36498
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.2
115 37.8 25.8 38.6

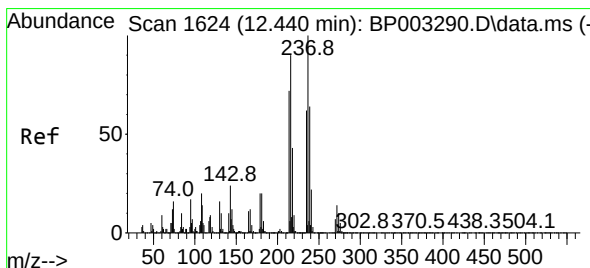
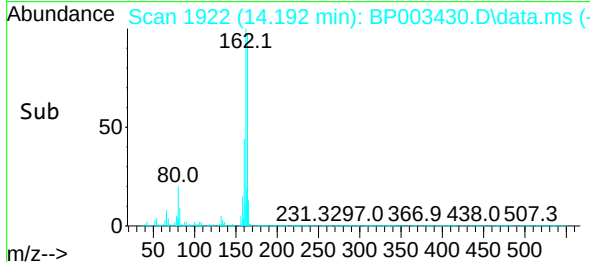
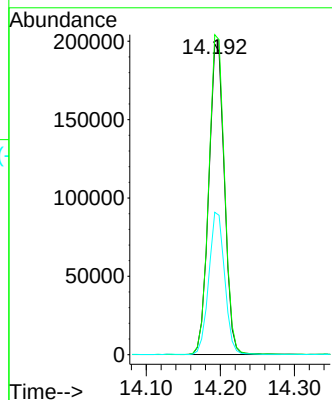
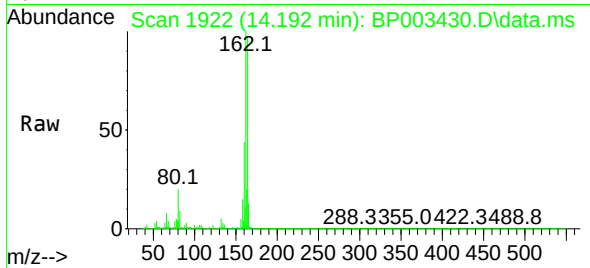




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.192 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

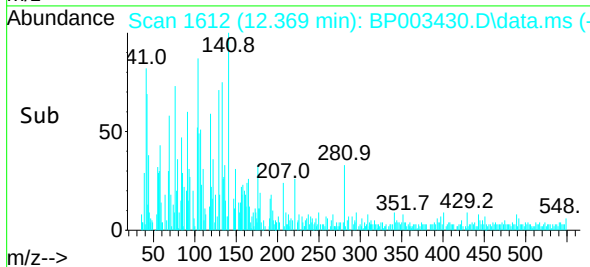
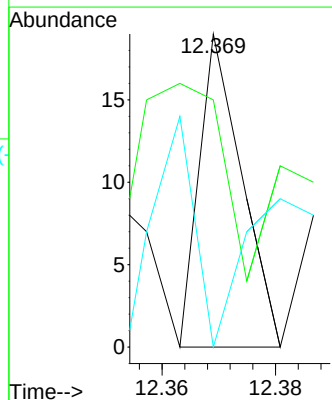
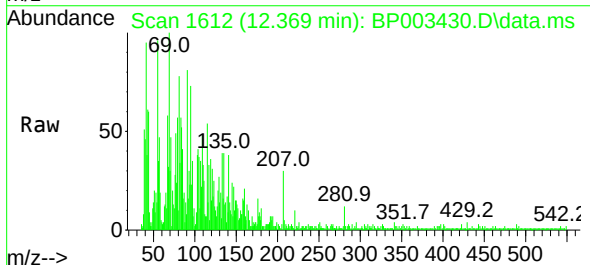
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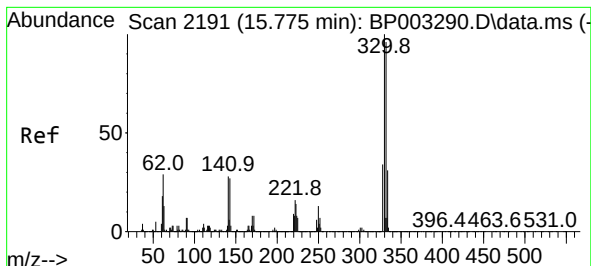
Tgt Ion:164 Resp: 291345
Ion Ratio Lower Upper
164 100
162 103.0 79.4 119.2
160 45.8 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.369 min Scan# 1612
Delta R.T. 0.018 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:237 Resp: 10
Ion Ratio Lower Upper
237 100
235 78.9 43.2 83.2
272 0.0 0.0 33.3

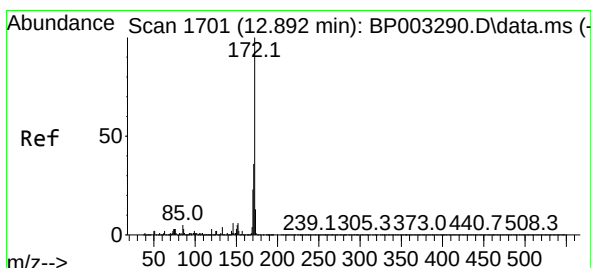
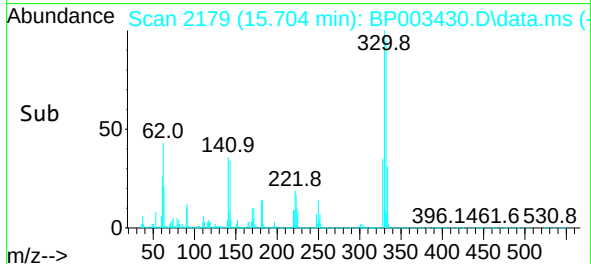
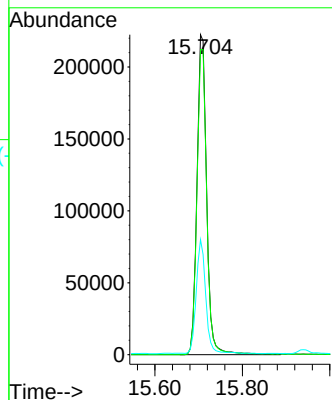
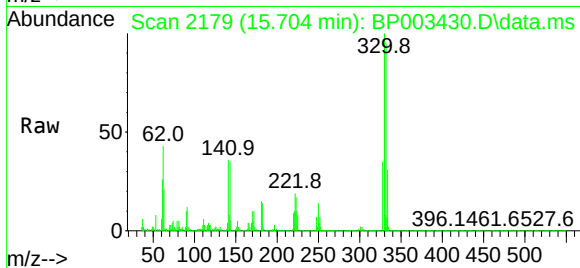




#42
2,4,6-Tribromophenol
Concen: 77.33 ng
RT: 15.704 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

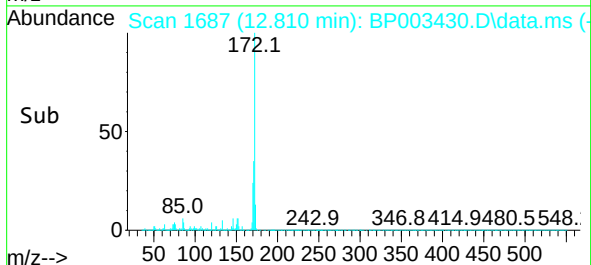
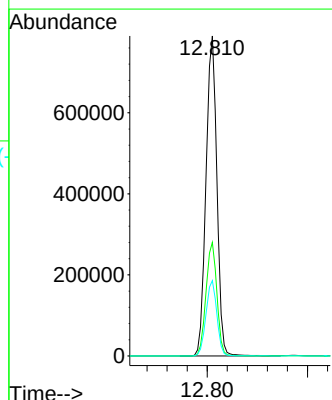
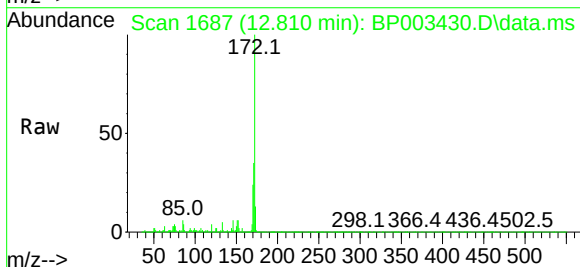
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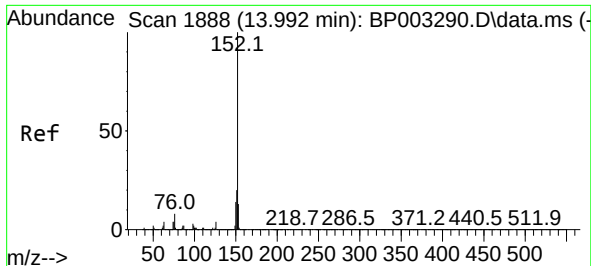
Tgt Ion:330 Resp: 343623
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 34.7 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 59.87 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:172 Resp: 1192655
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.6 19.2 28.8

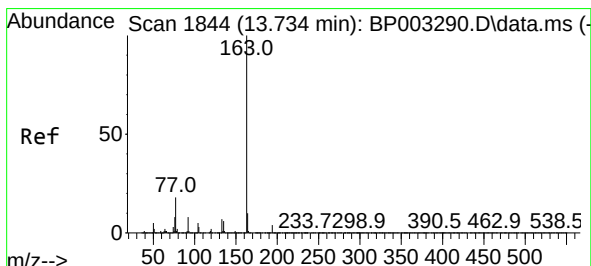
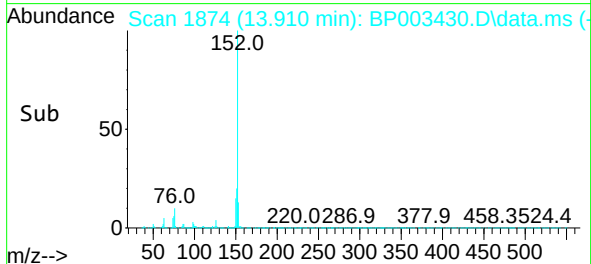
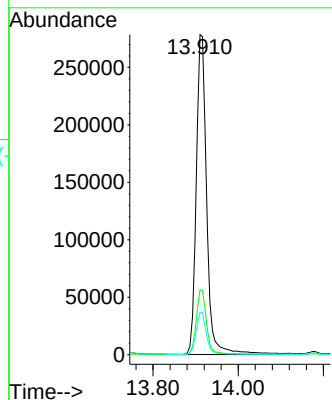
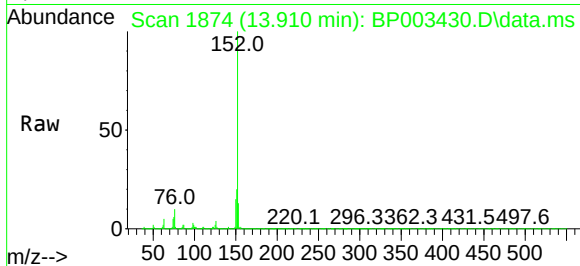




#49
Acenaphthylene
Concen: 17.20 ng
RT: 13.910 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

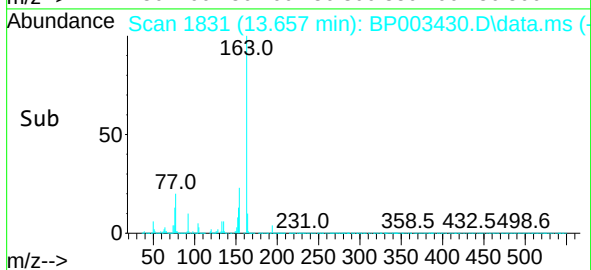
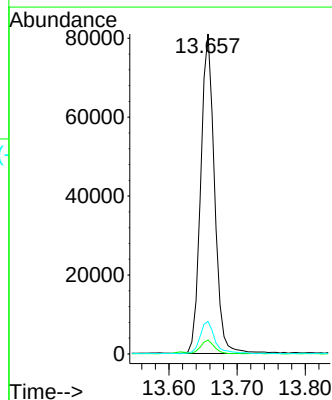
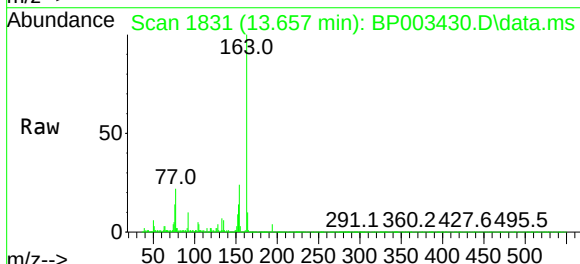
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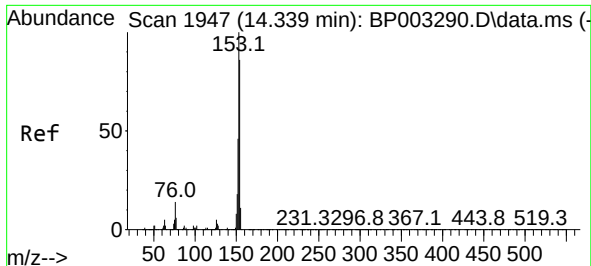
Tgt Ion:152 Resp: 472970
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.2 10.5 15.7



#50
Dimethylphthalate
Concen: 4.91 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:163 Resp: 114278
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.2 12.2

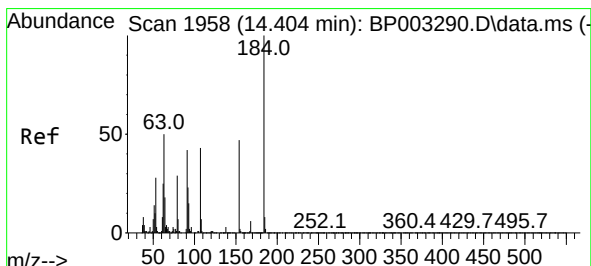
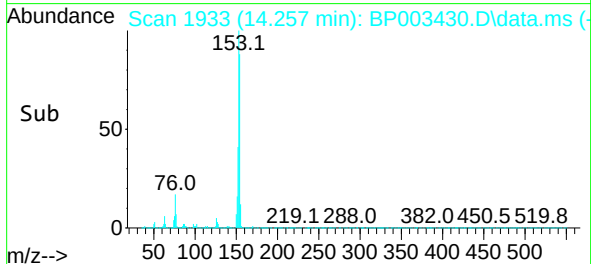
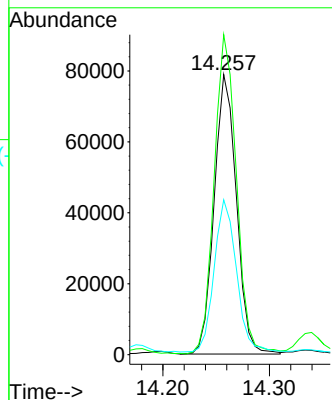
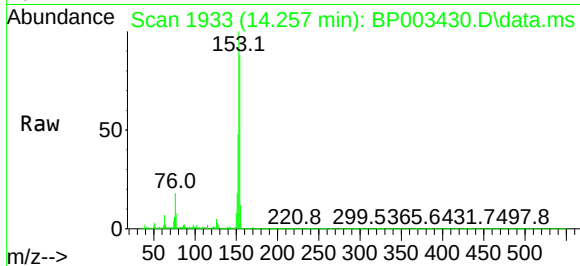




#52
Acenaphthene
Concen: 6.83 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

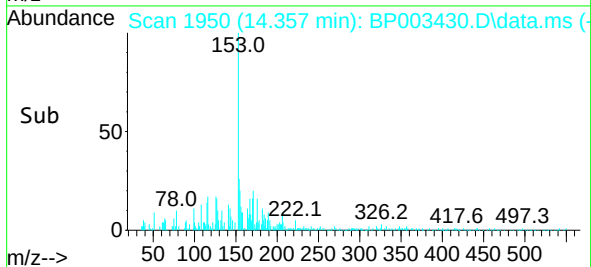
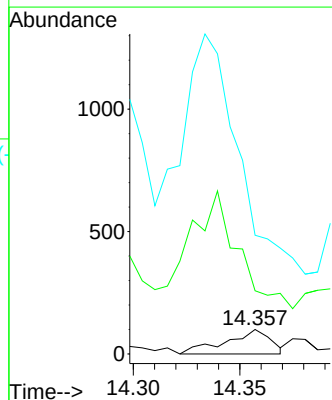
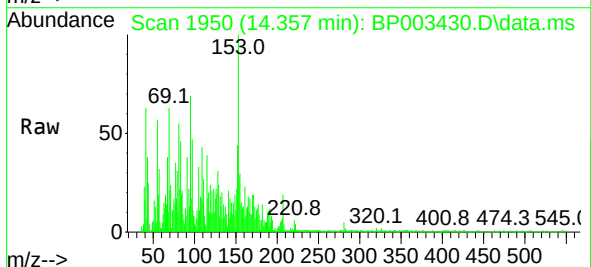
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

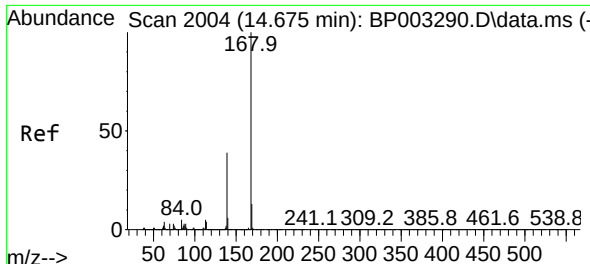
Tgt Ion:154 Resp: 114343
Ion Ratio Lower Upper
154 100
153 114.2 91.0 136.6
152 55.3 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.31 ng
RT: 14.357 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:184 Resp: 146
Ion Ratio Lower Upper
184 100
63 258.0 32.3 48.5#
154 485.0 49.1 73.7#

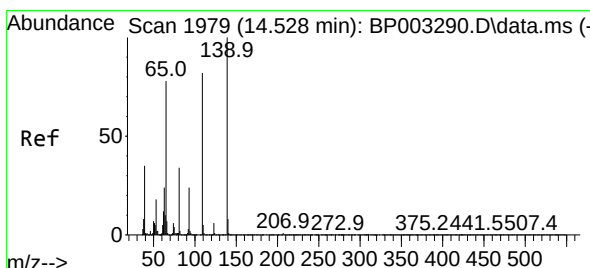
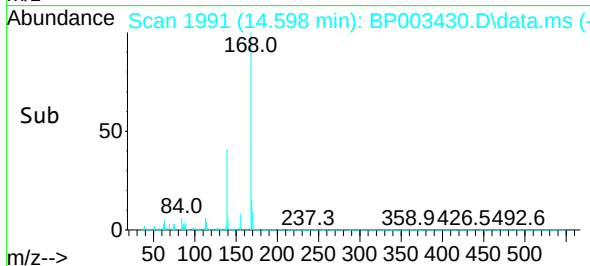
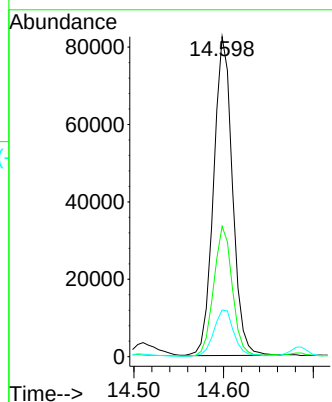
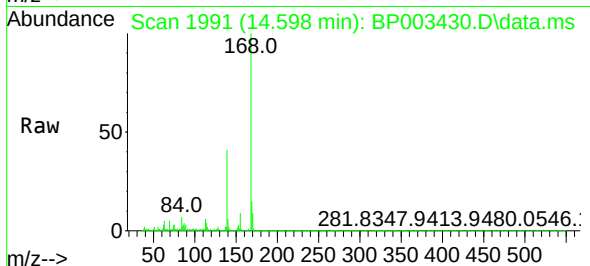




#55
Dibenzenofuran
Concen: 4.51 ng
RT: 14.598 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

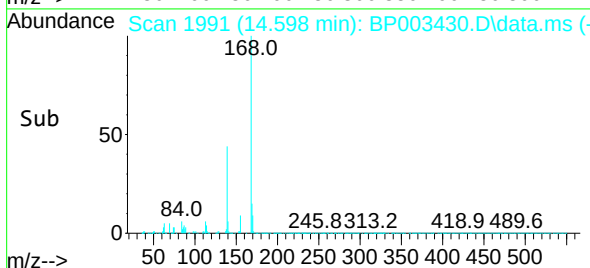
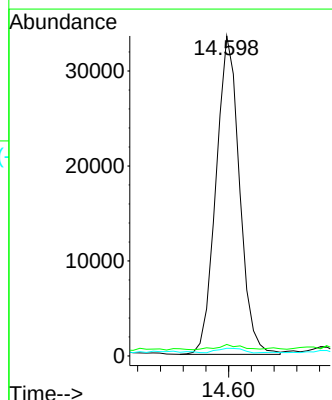
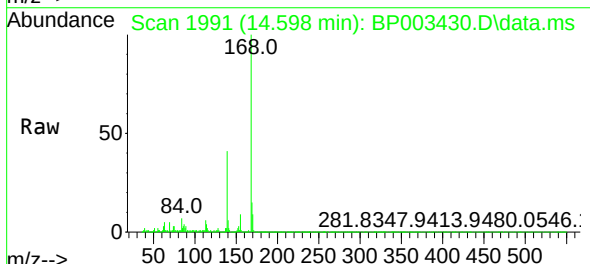
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

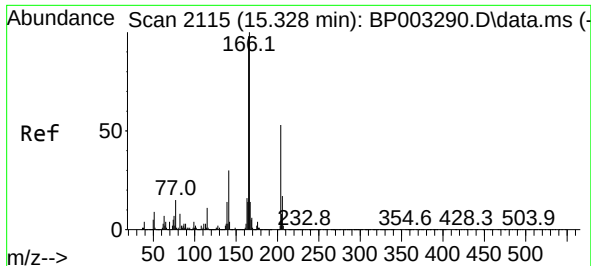
Tgt Ion:168 Resp: 120414
Ion Ratio Lower Upper
168 100
139 40.7 29.1 43.7
169 14.6 10.4 15.6



#56
4-Nitrophenol
Concen: 14.61 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.123 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:139 Resp: 48238
Ion Ratio Lower Upper
139 100
109 3.6 44.6 84.6#
65 2.4 41.6 81.6#

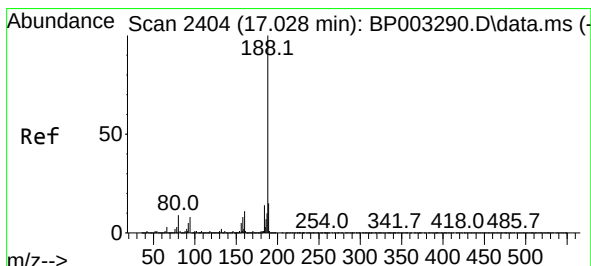
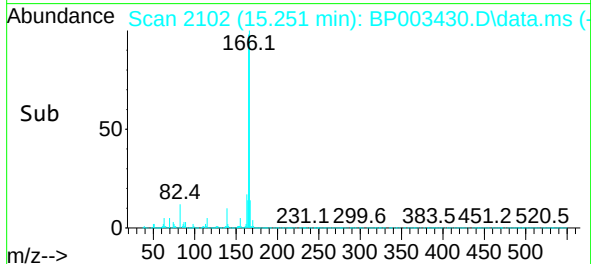
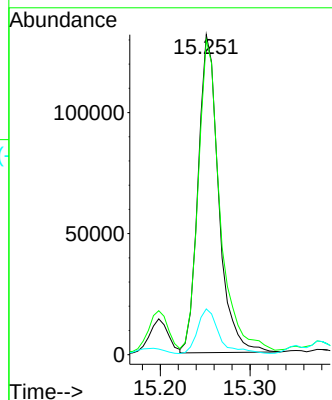
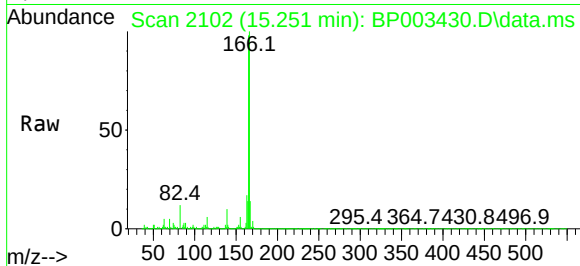




#58
Fluorene
Concen: 9.91 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

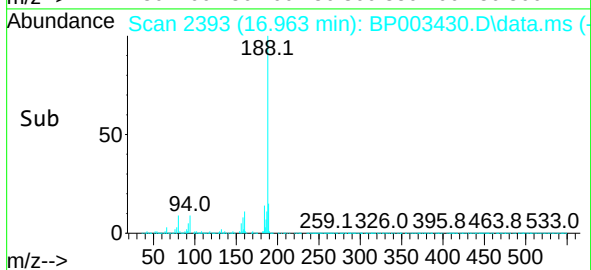
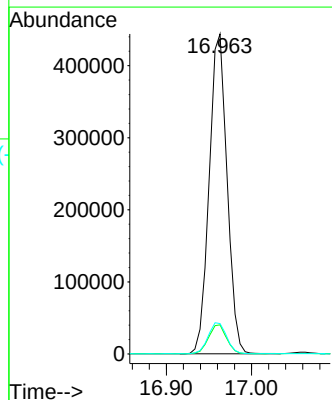
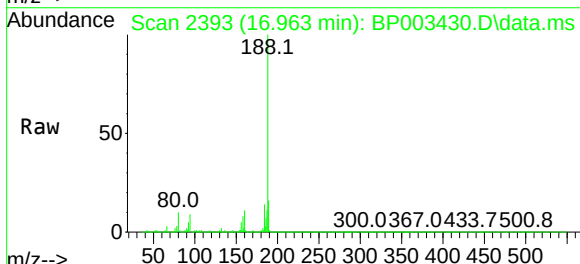
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

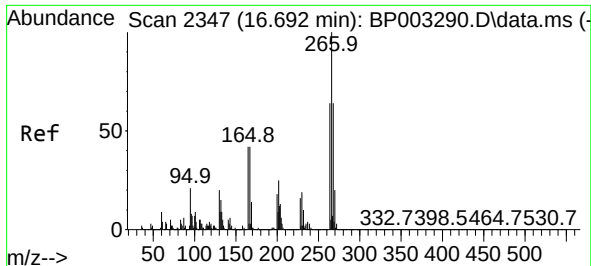
Tgt Ion:166 Resp: 208958
Ion Ratio Lower Upper
166 100
165 98.4 77.8 116.8
167 14.3 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:188 Resp: 647286
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.5 6.2 9.2#

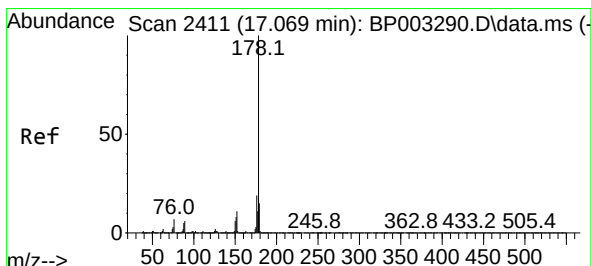
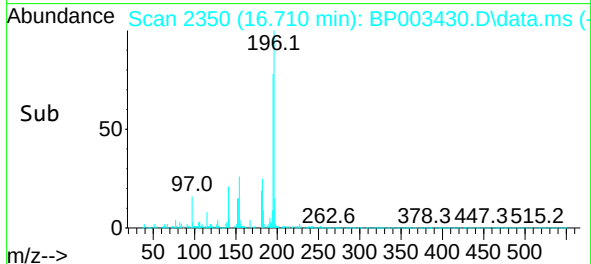
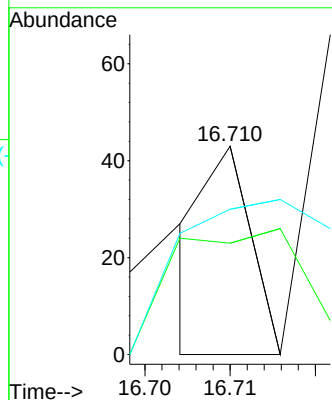
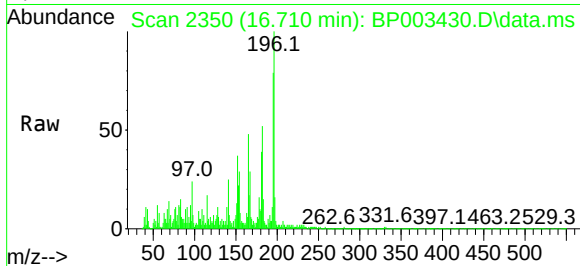




#70
Pentachlorophenol
Concen: 6.77 ng
RT: 16.710 min Scan# 2350
Delta R.T. 0.088 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

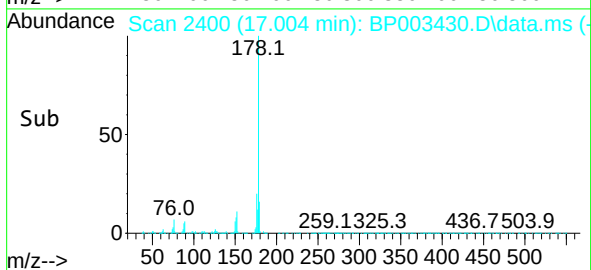
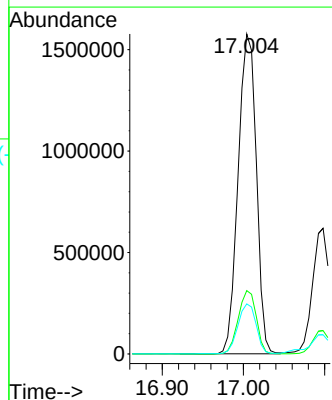
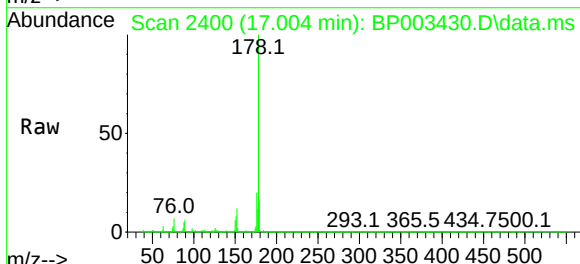
Instrument :
BNA_P
ClientSampled :
B-12(3-4)

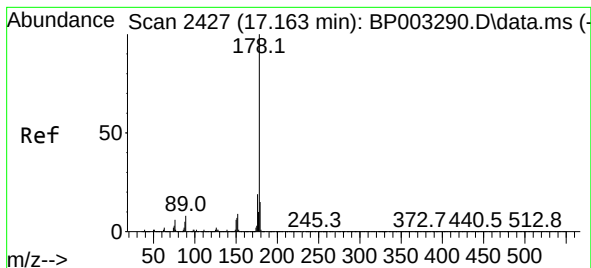
Tgt Ion:	266	Resp:	15
Ion Ratio	Lower	Upper	
266	100		
268	53.5	51.1	76.7
264	69.8	50.6	76.0



#71
Phenanthrene
Concen: 69.51 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:	178	Resp:	2447888
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.3	22.9
179	15.6	12.5	18.7





#72

Anthracene

Concen: 25.93 ng

RT: 17.098 min Scan# 2416

Delta R.T. 0.018 min

Lab File: BP003430.D

Acq: 01 Oct 2020 00:35

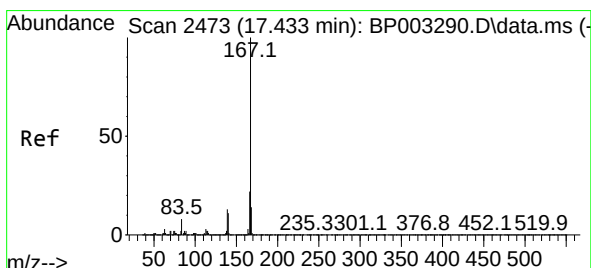
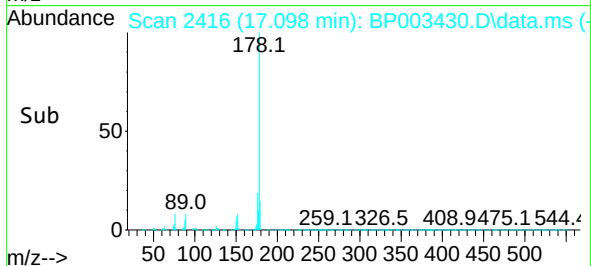
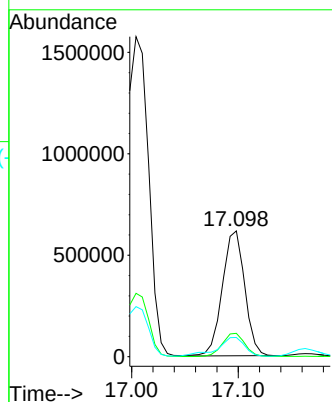
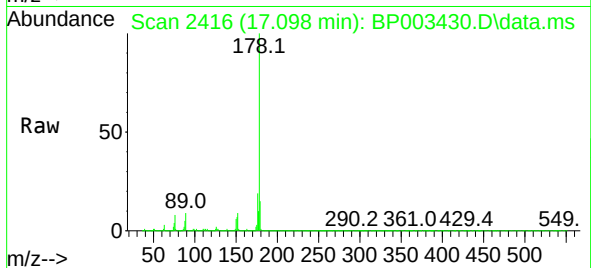
Tgt Ion:178 Resp: 899870

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.3 12.5 18.7



#73

Carbazole

Concen: 7.47 ng

RT: 17.381 min Scan# 2464

Delta R.T. 0.018 min

Lab File: BP003430.D

Acq: 01 Oct 2020 00:35

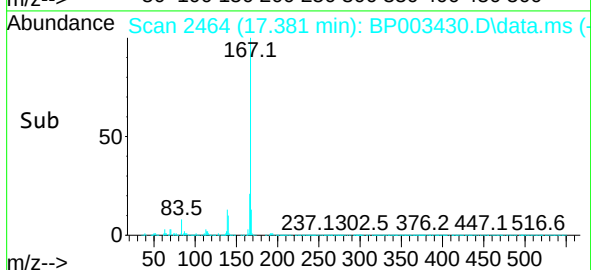
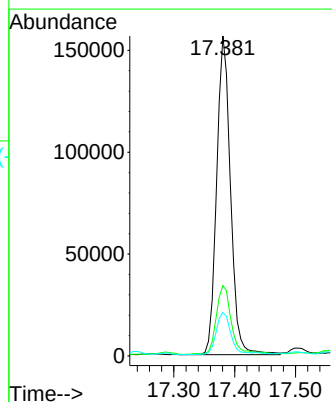
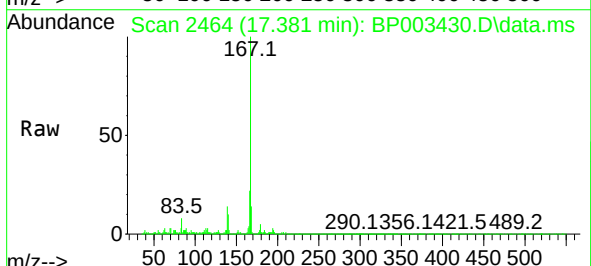
Tgt Ion:167 Resp: 246427

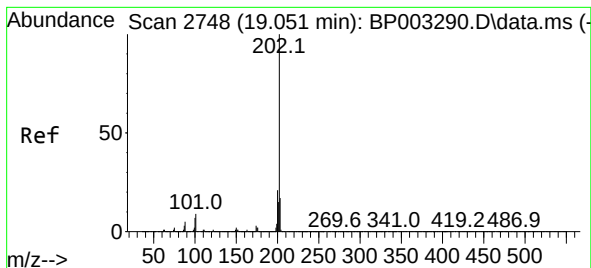
Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

139 13.6 10.2 15.4

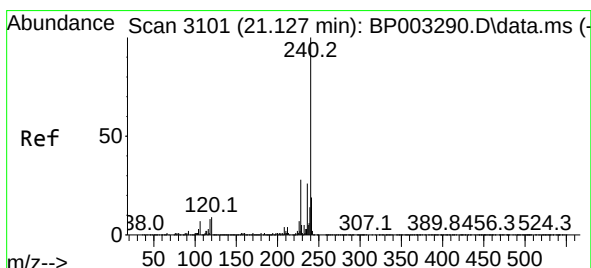
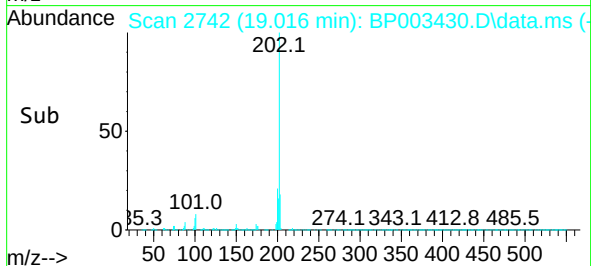
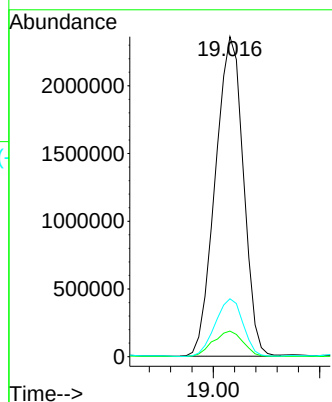
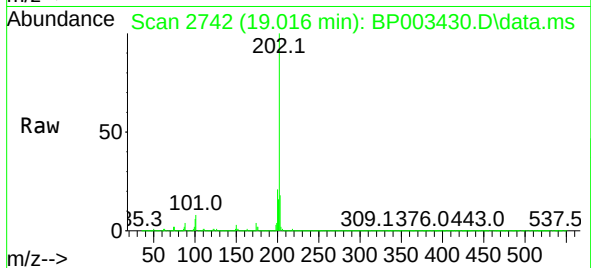




#75
Fluoranthene
Concen: 97.55 ng
RT: 19.016 min Scan# 2742
Delta R.T. 0.035 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

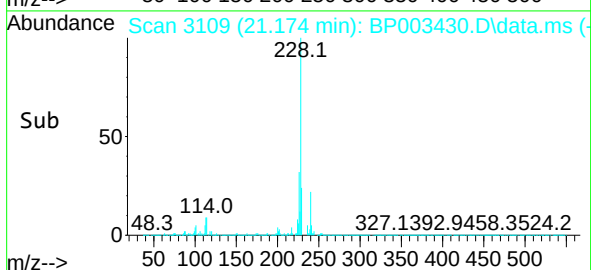
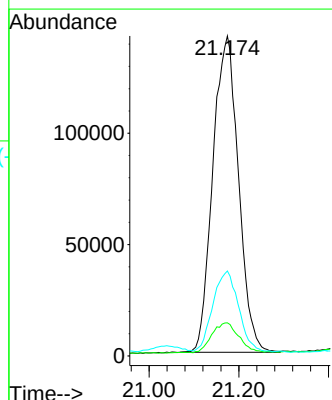
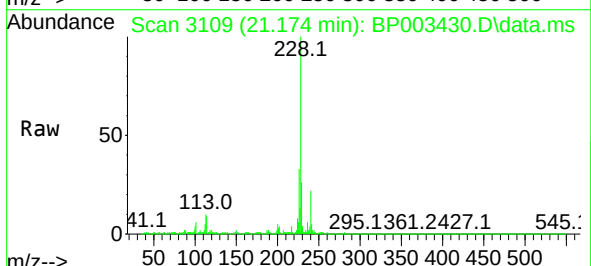
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

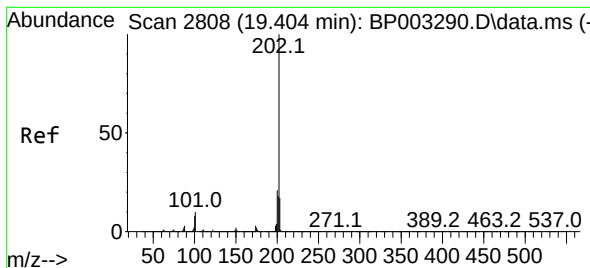
Tgt Ion:202 Resp: 4319597
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.4
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.174 min Scan# 3109
Delta R.T. 0.112 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:240 Resp: 563323
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 26.5 20.8 31.2





#78

Pyrene

Concen: 107.71 ng

RT: 19.375 min Scan# 2803

Delta R.T. 0.041 min

Lab File: BP003430.D

Acq: 01 Oct 2020 00:35

Tgt Ion:202 Resp: 3783858

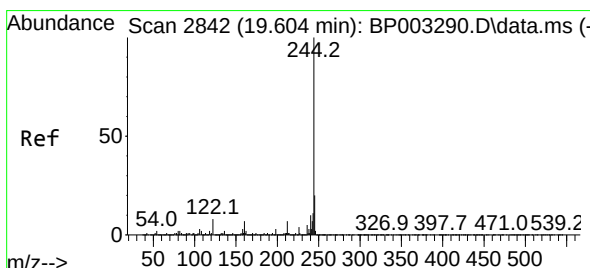
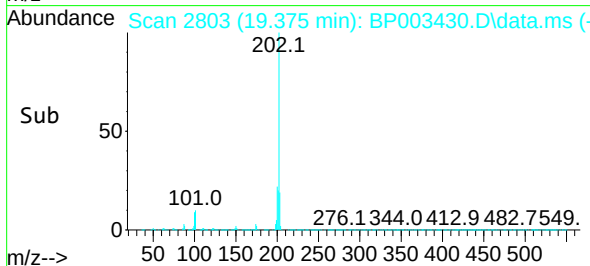
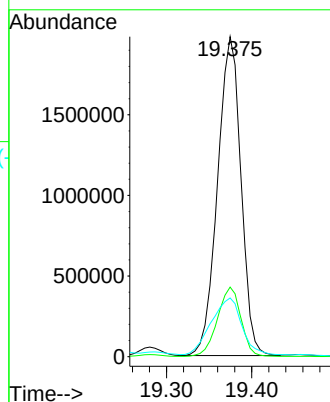
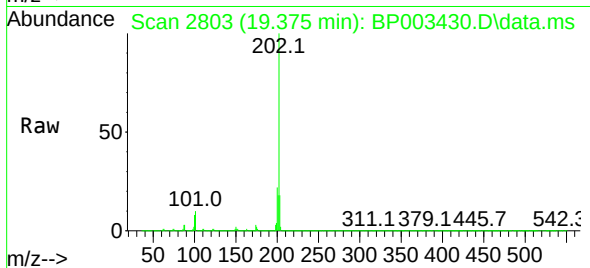
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	18.4	14.2	21.2

Instrument :

BNA_P

ClientSampleId :

B-12(3-4)



#79

Terphenyl-d14

Concen: 62.31 ng

RT: 19.569 min Scan# 2836

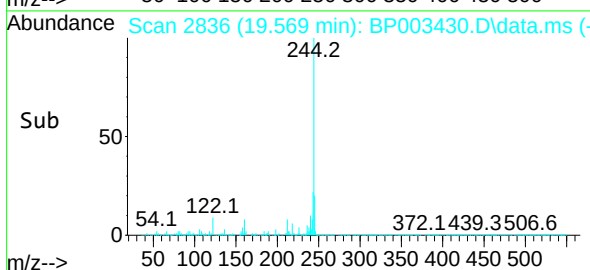
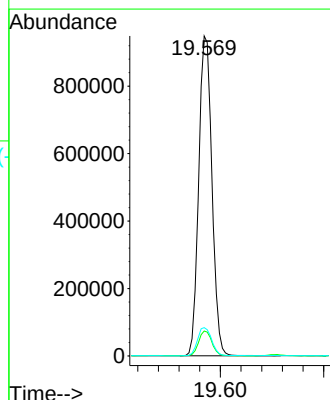
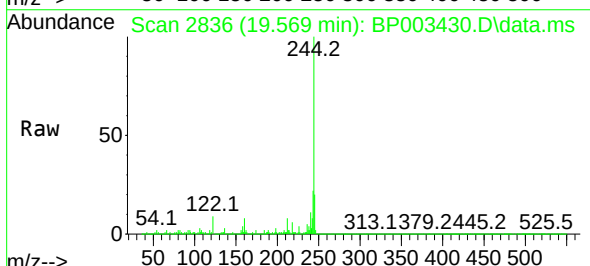
Delta R.T. 0.035 min

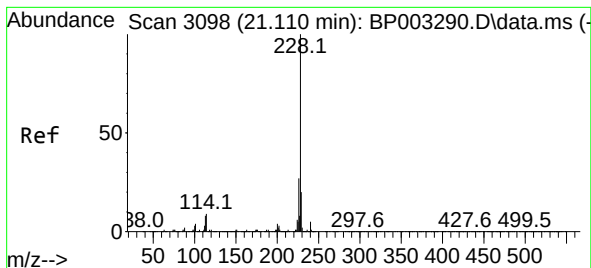
Lab File: BP003430.D

Acq: 01 Oct 2020 00:35

Tgt Ion:244 Resp: 1684769

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	8.8	7.8	11.8

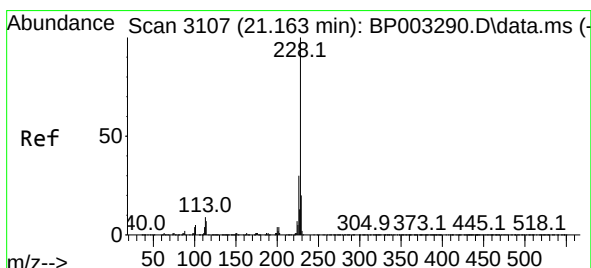
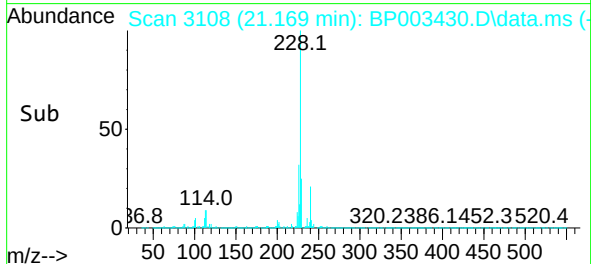
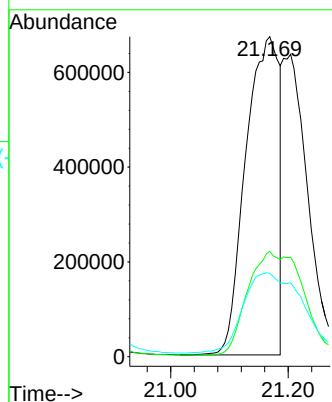
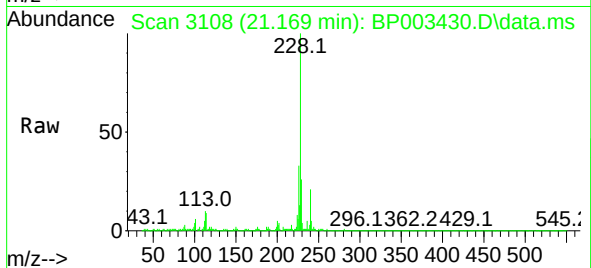




#81
Benzo(a)anthracene
Concen: 72.77 ng
RT: 21.169 min Scan# 3108
Delta R.T. 0.123 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

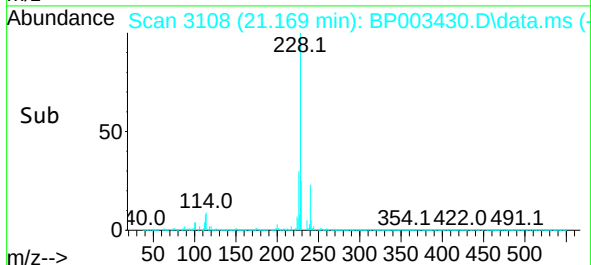
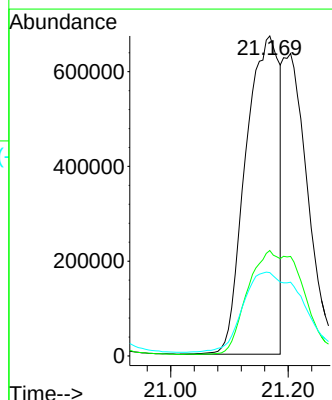
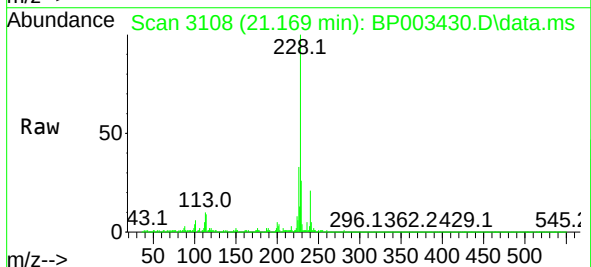
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

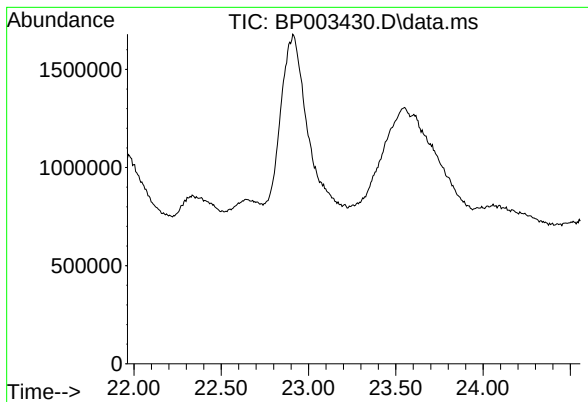
Tgt Ion:228 Resp: 2649803
Ion Ratio Lower Upper
228 100
226 33.0 22.1 33.1
229 26.0 15.9 23.9#



#83
Chrysene
Concen: 75.74 ng
RT: 21.169 min Scan# 3108
Delta R.T. 0.070 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:228 Resp: 2649803
Ion Ratio Lower Upper
228 100
226 33.0 24.4 36.6
229 26.0 15.8 23.6#





#86
Perylene-d12
Concen: 0.00 ng
Expected RT: 23.26 min

Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion: 264
Sig Exp Ratio
264 100
260 23.5
265 21.8

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

